



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company		DEUTSCH OIL COMPANY	
Well		SHUMWAY #9-33	
Field		BAUMAN	
County		STAFFORD	
State		KANSAS	
Location:		APL # : 15-185-23910-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		Elevation 1834	
Drilling Measured From		KELLY BUSHING 7' A.G.L.	
SEC 33 TWP 25S RGE 11W		Other Services CDL/CNL DIL	
Date		11/2/14	
Run Number		TWO	
Depth Driller		4195	
Depth Logger		4194	
Bottom Logged Interval		4192	
Top Log Interval		3000	
Casing Driller		8 5/8" @ 260	
Casing Logger		260	
Bit Size		7 7/8"	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.5/48	
pH / Fluid Loss		7.5/14.4	
Source of Sample		FLOWLINE	
Rm @ Meas. Temp		.40 @ 75F	
Rmt @ Meas. Temp		.30 @ 75F	
Rmc @ Meas. Temp		.48 @ 75F	
Source of Rmt / Rmc		MEASUREMENT	
Rm @ BHT		.25 @ 118F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom		118F	
Maximum Recorded Temperature		4010	
Equipment Number		HAYS, KANSAS	
Location		JASON CAPPELLUCCI	
Recorded By		SCOTT ALBERG	
Witnessed By			

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
PRESTON, KS. - MAIN STREET - 3 NORTH TO 110 RD - 1 EAST - 1 1/4 NORTH
TO THE T - 1/2 EAST - 1/4 NORTH - WEST INTO

Database File:

26221ddn.db

Dataset Pathname:

pass6.2

Presentation Format:

_micro

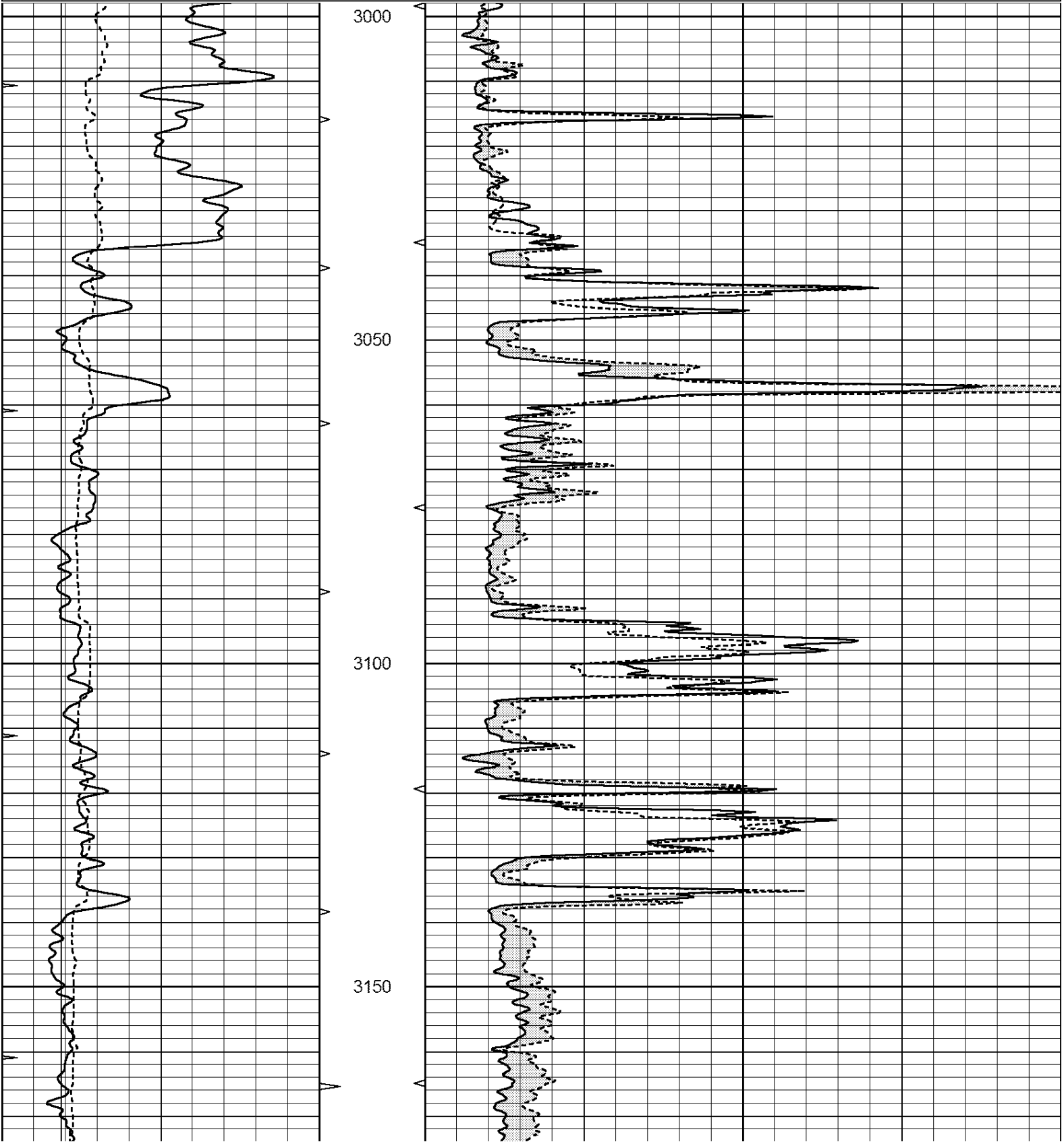
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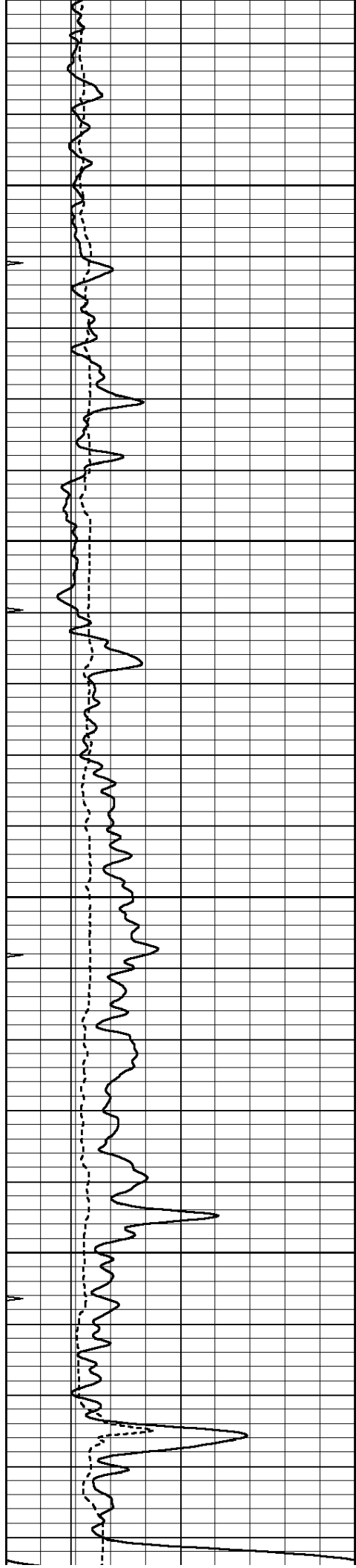
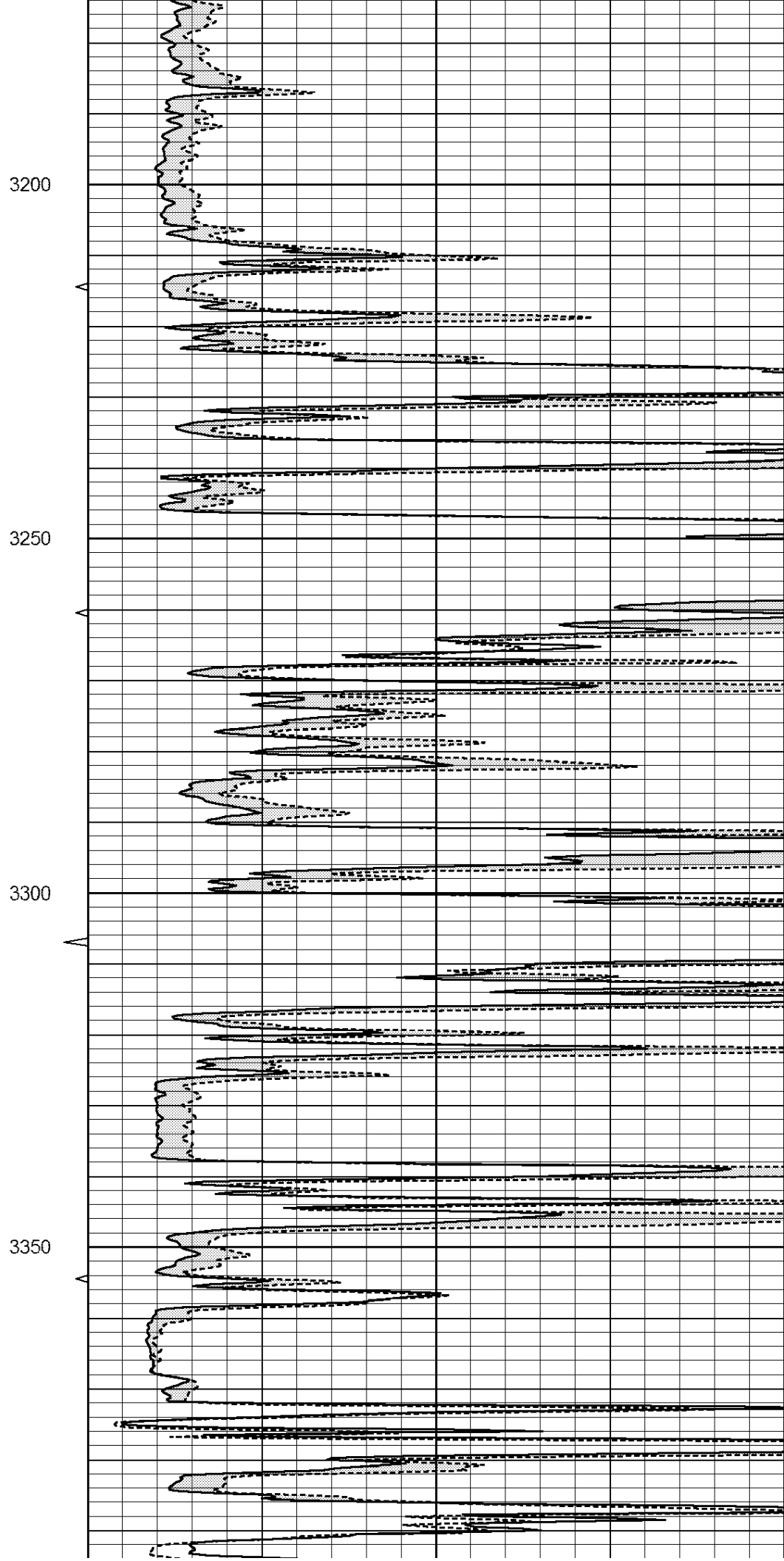
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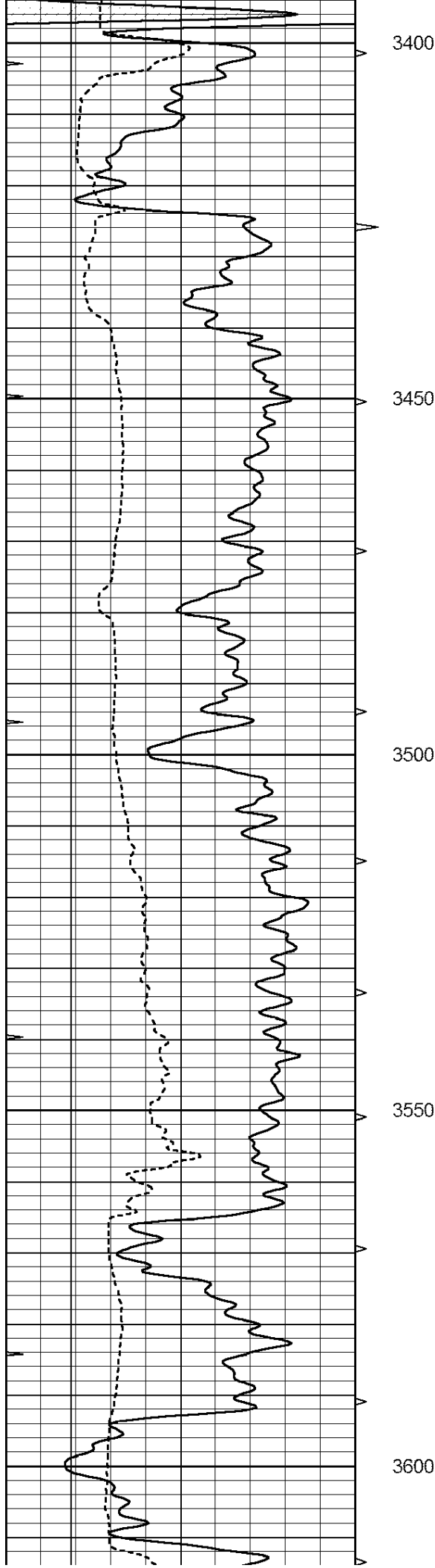
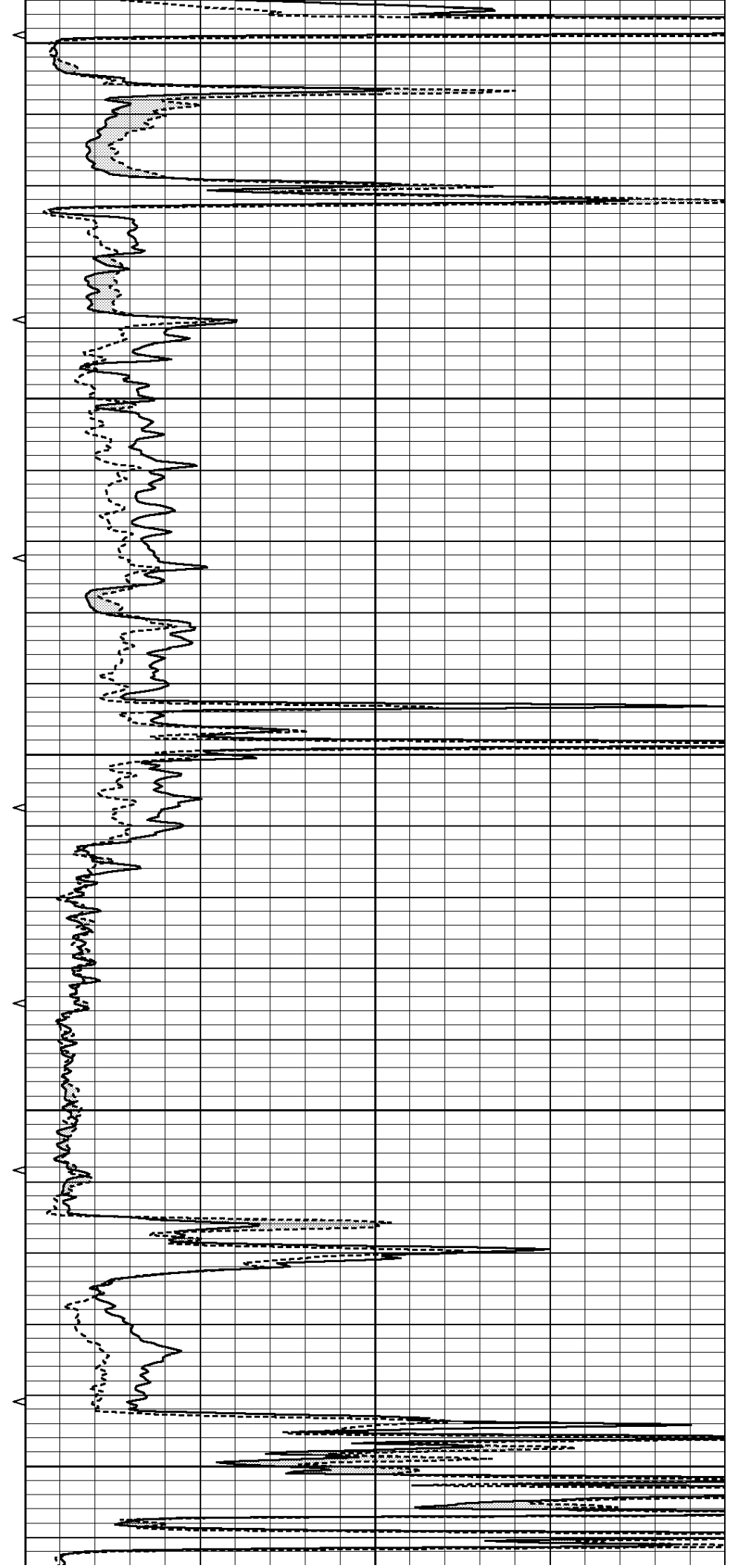
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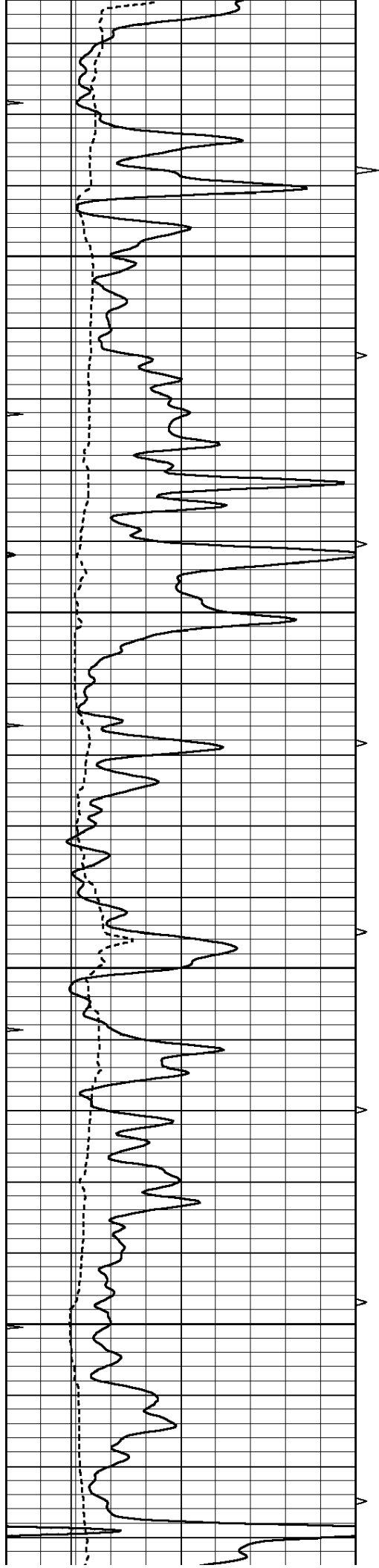
Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







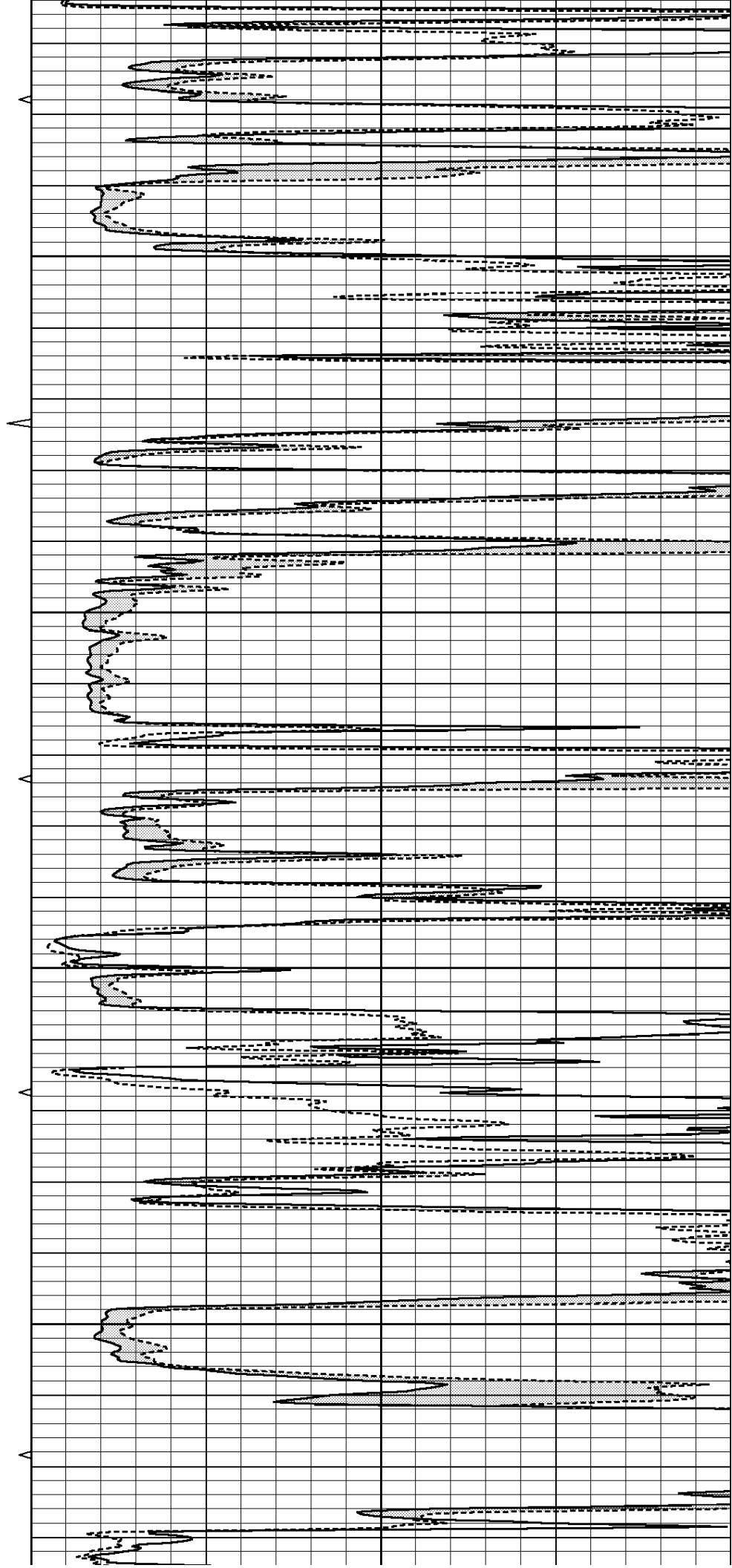


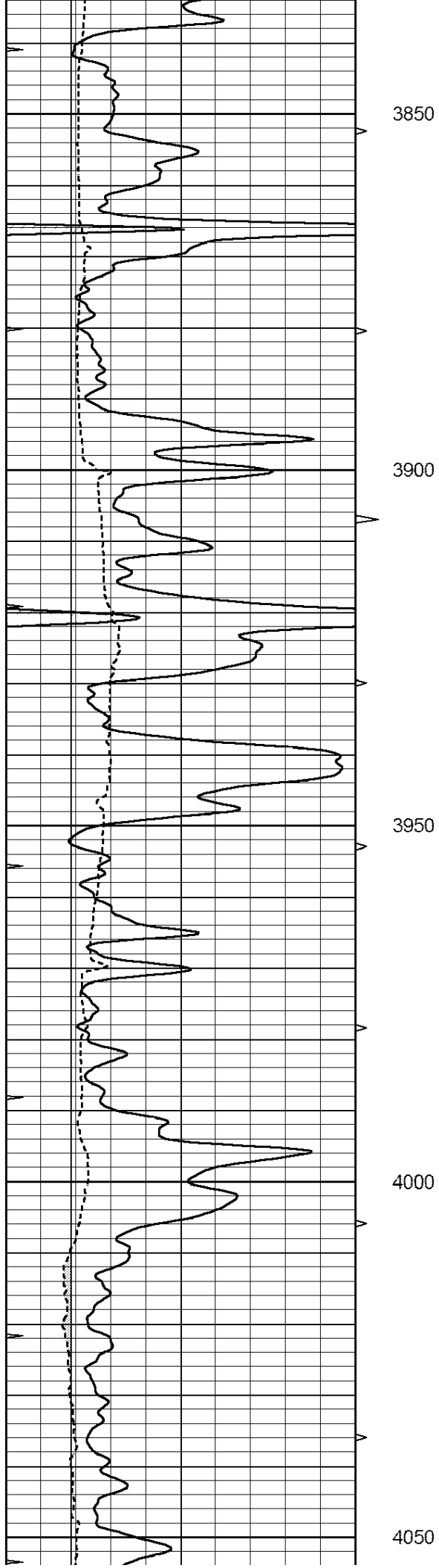
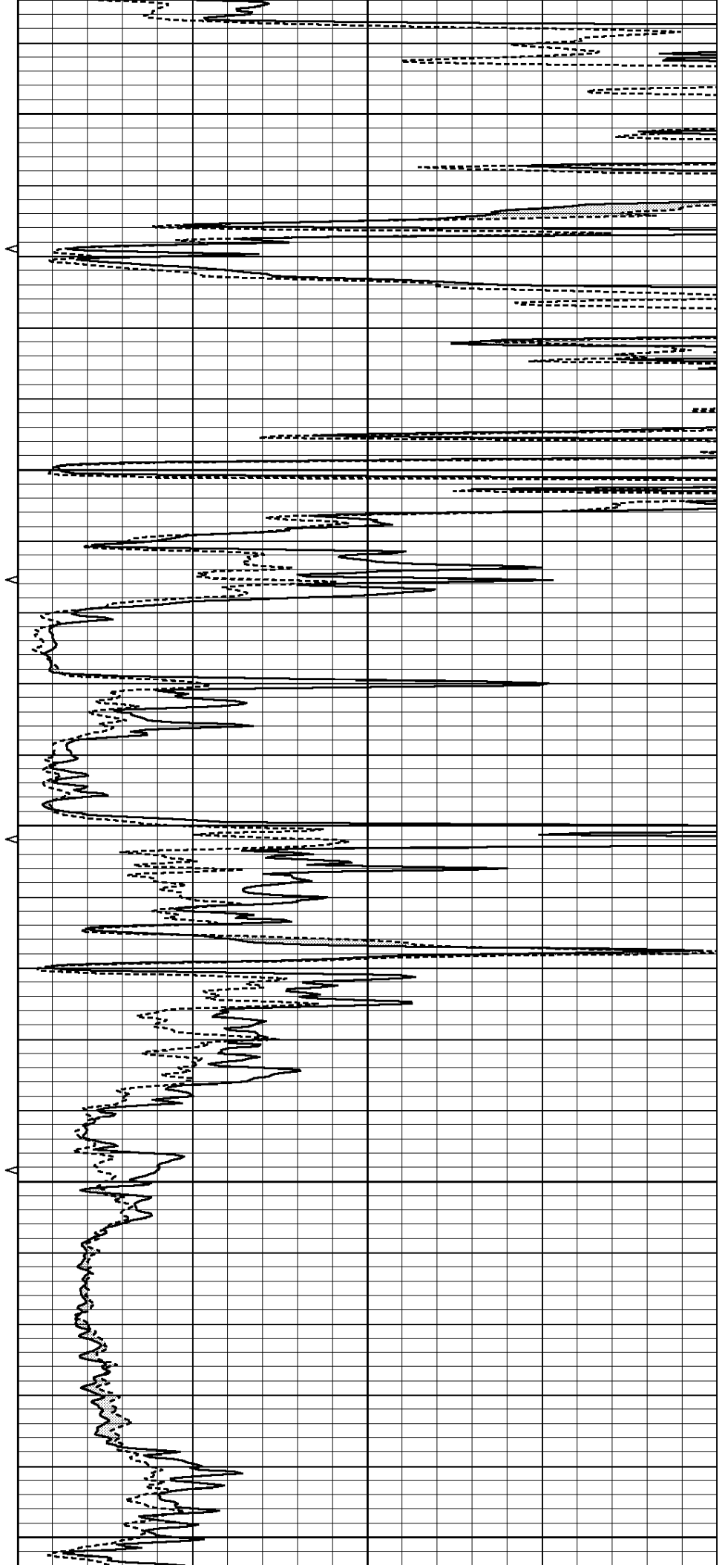
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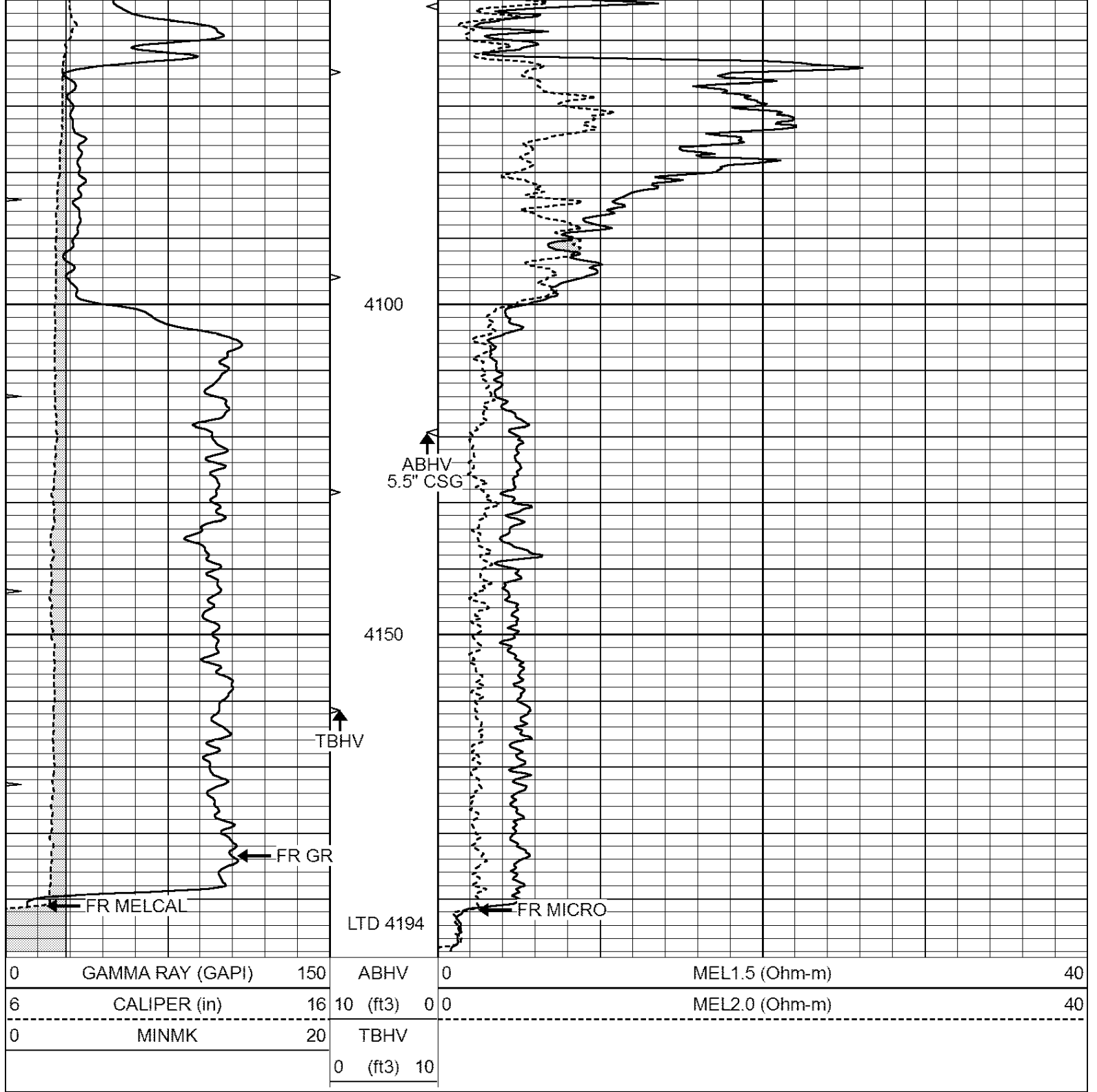
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3800





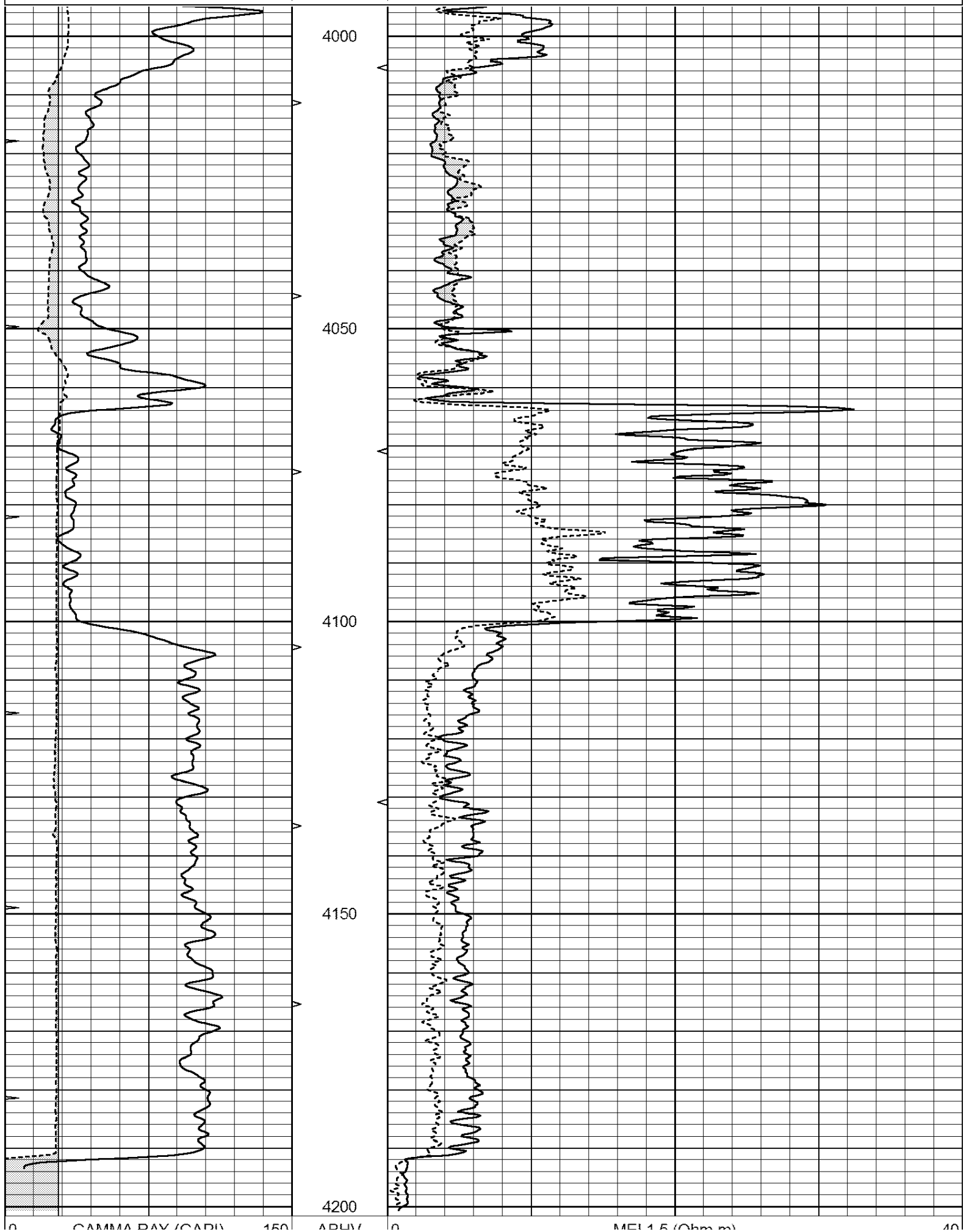


REPEAT SECTION

Database File: 26221ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: _micro
 Dataset Creation: Sun Nov 02 19:42:37 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40

0	MINMK	20	TBHV
		0	(ft3) 10



0	GAMMA RAY (GAPI)	150	ADIV	0	MELT.0 (CHIMP)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

Calibration Report			
Database File:		26221ddn.db	
Dataset Pathname:		pass5.1	
Dataset Creation:		Sun Nov 02 19:42:37 2014 by Calc Open-Cased 090629	
MICRO Calibration Report			
Serial Number:		MICRO3	
Tool Model:		PROBE	
Performed:		Thu Nov 17 03:06:31 2011	
Caliper Calibration:		Gain=3.916	Offset=-9.071
		Low Cal	High Cal
References		8.000	14.000
Readings		4.257	5.789
1.5" Calibration:		Gain=130.000	Offset=0.800
		Low Cal	High Cal
References		0.000	20.000
Readings		0.004	0.228
2" Calibration:		Gain=280.553	Offset=-1.220
		Low Cal	High Cal
References		0.000	20.000
Readings		0.005	0.175
Gamma Ray Calibration Report			
Serial Number:		GR6	
Tool Model:		OPEN	
Performed:		Sun Aug 17 15:23:09 2014	
Calibrator Value:		150.0	GAPI
Background Reading:		0.0	cps
Calibrator Reading:		276.0	cps
Sensitivity:		0.7000	GAPI/cps